

# LARGE ALUMINUM ELECTROLYTIC CAPACITORS

## DF For Photo Flash Series

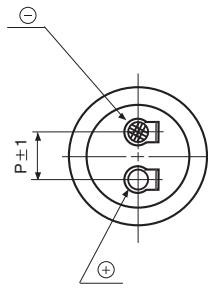
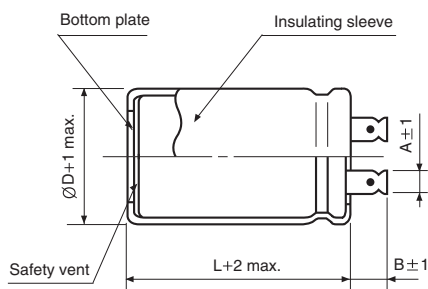
- For photo flash applications with lug terminal
- Low dissipation factor, low leakage current and high stability during the repetition of charge and discharge
- Complied to the RoHS directive



Item	Characteristics		
Operating temperature range	-20 ~ +55°C		
Capacitance tolerance	-10 ~ +20% at 120Hz, 20°C		
Leakage current max.	$I=1 \times C$ ( $\mu A$ ) (after 5 minutes), where C=Nominal capacitance ( $\mu F$ )		
Dissipation factor max. (at 120Hz, 20°C)	Capacitance range( $\mu F$ )	150 ~ 600	700 ~ 1500
	$\tan\delta$	0.10	0.15
Charge and discharge characteristics	Charge and discharge at rated voltage at 5~35°C with a switch sequence of 30 seconds for 5000 times via xenon flash tube with discharge resistance of 0.7~1.0 $\Omega$		
	Leakage current	Less than 150% of specified value	
	Capacitance change	Within $\pm 10\%$ of initial value	
	$\tan\delta$	Less than 150% of specified value	
Shelf life	After leaving capacitors under no load at 55°C for 1000 hours. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4		
	Leakage current	Less than 300% of specified value	
	Capacitance change	Within $\pm 10\%$ of initial value	
	$\tan\delta$	Less than 150% of specified value	

### DRAWING

Unit : mm



	ØD=22	ØD≥25.4	ØD=40 *
A	3.5	4.5	4.5
B	6.0	8.0	11.0
P	8.0	10.0	18.0

\* Note : Ø40 is available upon request. Please check with us individual size and dimensions.

**DF** series

● DIMENSIONS

∅D×L(mm)

WV (SV)	∅D μF	22	25.4	30	35
		<b>330 (350)</b>			
	200				
	250	22 × 25			
	300	22 × 30			
	350	22 × 35			
	400	22 × 40	25.4 × 30		
	450	22 × 40	25.4 × 35		
	500	22 × 45	25.4 × 35		
	600		25.4 × 40	30 × 35	
	700		25.4 × 45	30 × 35	
	800		25.4 × 50	30 × 40	
	900			30 × 45	
	1000			30 × 45	35 × 40
	1200			30 × 55	35 × 45
	1300			30 × 60	35 × 50
	1500			30 × 70	35 × 55
<b>360 (390)</b>					
	200	22 × 30			
	250	22 × 30			
	300	22 × 40	25.4 × 30		
	350	22 × 40	25.4 × 35		
	400	22 × 45	25.4 × 35		
	450	22 × 50	25.4 × 40		
	500		25.4 × 45	30 × 35	
	600		25.4 × 50	30 × 40	
	700		25.4 × 60	30 × 45	
	800			30 × 50	35 × 40
	900			30 × 55	35 × 45
	1000			30 × 60	35 × 55
	1200			30 × 70	35 × 55
	1300				35 × 60
	1500				35 × 70